

REMARKS

Applicants provide the present amendment in response to the Notification of Defective Response mailed on March 28, 2006. Upon entry of the present amendment, claims 1, 2, 4, 6, 8-11, 14-19, 21, 23, 27, 28, 31-39, 44, 46, 49, 63-67, 75, 79, 81, 82, 85-87, 89, 92, 96-100, 122-125, 152, 154-158, 161, 163-183, and 186-217 will be pending. Claims 160 and 162 have been canceled. Claim 172 has been amended in accordance with amendments made to the specification. Claims 19, 64 and 89 have been amended to correct typographic errors.

The present amendment deletes from the specification SEQ ID NOs corresponding to those in the original sequence listing to which the Notification of Defective Response objects. The present amendment also corrects typographic errors in Table 25. Applicants submit that the amendments add no new matter and believe that the present submission is fully responsive to the Notification of Defective Response.

Applicants thank Examiners Paulette R. Kidwell and Kathryn Short for taking the time for telephonic interviews conducted on April 26, 2006. Applicants received a Notification of Missing Requirements mailed on August 3, 2006. Applicants responded to that Notification of Missing Requirements on December 5, 2005, supplying, *inter alia*, a sequence listing. Applicants then received the Notification of Defective response mailed on March 28, 2006, which pointed out sequence listing errors. This Notification gave applicants a response time limit of either one month from the date of mailing of the Notification or the time limit set forth in the Notification of Missing Requirements, whichever was the longer. Applicants' representative received a telephone call from Examiner Kidwell on April 26, 2006, wherein she indicated that she would be rescinding the Notice of Defective Response and issuing instead a Notice of Abandonment. During the ensuing telephonic interviews, Examiners Short and Kidwell each indicated that they believed the Notification of Defective Response was sent in error and that a Notice of Abandonment should have been mailed because the sequence listing errors were discovered by the USPTO after the time limit set forth in the Notification of Missing Requirements had expired. Applicants strongly disagreed, pointed out that they had responded to the Notification of Missing Requirements during the prescribed time limit and argued that a

Notice of Abandonment would not be warranted in this case. Examiner Short indicated that she would draft, but not mail, the Notice of Abandonment and would consider the present response to the Notification of Defective Response.

Applicants submit herewith a substitute Sequence Listing on **three** identical compact discs: (i) Official Copy (designated "Copy 1"), (ii) Official Copy (designated "Copy 2") and (iii) CRF for the above-referenced application in accordance with 37 C.F.R. § 1.821, § 1.825, and § 1.52(e). The contents of all three copies (Copy 1, Copy 2, and CRF) are identical and include no new matter, as required by 37 C.F.R. 1.821(e), 1.821(d), 1.821(f), and 1.821(g). CD-ROMs are prepared using IBM-PC machine format and MS-Windows operating system compatibility. The names, dates of creation, and sizes in bytes of the files contained on each of the two compact discs are as follows:

Disc – SEQUENCE LISTING

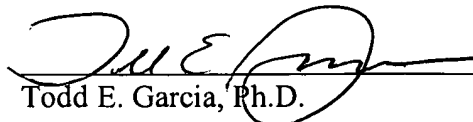
File Name	Date of Creation	Size (KB)
14851-003US1.txt	April 21, 2006	344

The amendments in the specification insert a reference to the official copy of the Sequence Listing submitted on compact disc in the specification and identify the name of the file, its date of creation, and size in bytes. The sequence listing was prepared from sequences contained in the specification as filed and does not add new matter.

No fee is believed to be due. Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney's Docket Number 14851-003US1.

Respectfully submitted,

Date: 4/28/06


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